

IN THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

1. (Currently Amended) An isolated or purified nucleic acid ~~comprising a nucleic acid sequence contiguously~~ which encodes encoding a polypeptide comprising:

a polypeptide comprising the amino acid sequence ~~residues 39 to 115 or 141 to 434~~ of SEQ ID NO:2.

2. (Previously Presented) An isolated nucleic acid comprising the nucleotide sequence of SEQ ID NO:1.

3-12. (Cancelled).

13. (Previously Presented) An expression vector comprising the nucleic acid of claim 1.

14-15. (Cancelled).

16. (Currently Amended) A process for ~~recombinant~~ production of producing a polypeptide of claim 1, the process comprising: ~~expressing the nucleic acid of claim 13 in a host cell.~~

(a) culturing a cell which has been transformed with a recombinant polynucleotide that comprises a promoter sequence operably linked to a polynucleotide of claim 1 under conditions suitable for the expression of the polypeptide, and

(b) recovering the expressed polypeptide.

17. (Previously Presented) The process of claim 16, wherein the host cell is eukaryotic.

18-50. (Cancelled).

51. (Previously Presented) An expression vector comprising the nucleic acid of claim 2.

52. (Cancelled).

53. (Previously Presented) An isolated cell containing the expression vector of claim 51.

54-80. (Cancelled).

81. (New) An isolated or purified human NR1I2 nuclear receptor.

82. (New) The receptor of claim 81, wherein said receptor comprises an isolated or purified nucleic acid sequence encoding a polypeptide selected from the group consisting of:

- (a) a polypeptide comprising the amino acid sequence of SEQ ID NO:2; and
- (b) a polypeptide comprising a biologically active fragment of SEQ ID NO:2 wherein said fragment has NR1I2 activity.

83. (New) The receptor of claim 82 wherein said fragment includes a DNA-binding domain.

84. (New) The receptor of claim 82 wherein said fragment includes a ligand-binding domain.

85. (New) The receptor of claim 81 comprising a polypeptide having the amino acid sequence of SEQ ID NO:2.

86. (New) The receptor of claim 85 wherein said polypeptide includes at least one amino acid substitution.

87. (New) An isolated or purified human NR1I2 receptor polynucleotide sequence which encodes a polypeptide selected from the group consisting of:
- (a) a polypeptide comprising a DNA-binding domain; and
 - (b) a polypeptide comprising a ligand-binding domain.
88. (New) An isolated or purified human NR1I2 receptor polynucleotide sequence which encodes a polypeptide comprising a ligand-binding domain.
89. (New) An isolated or purified nucleic acid sequence which encodes a polypeptide comprising: a polypeptide having greater than 71% amino acid sequence identity to SEQ ID NO:2 and wherein said polypeptide is a NR1I2 receptor.